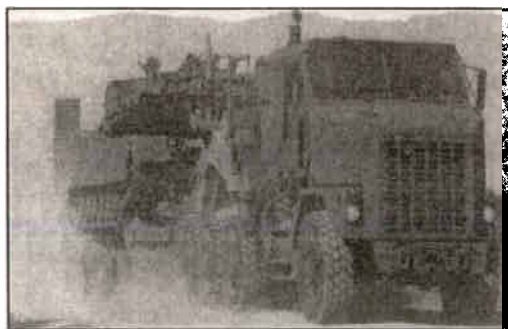


16191



Lethality, Survivability, Mobility and  
Sustainment for America's Army

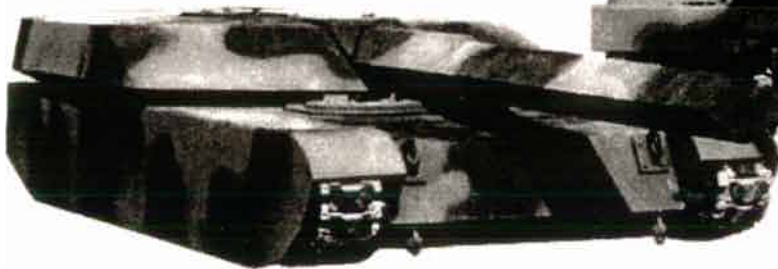
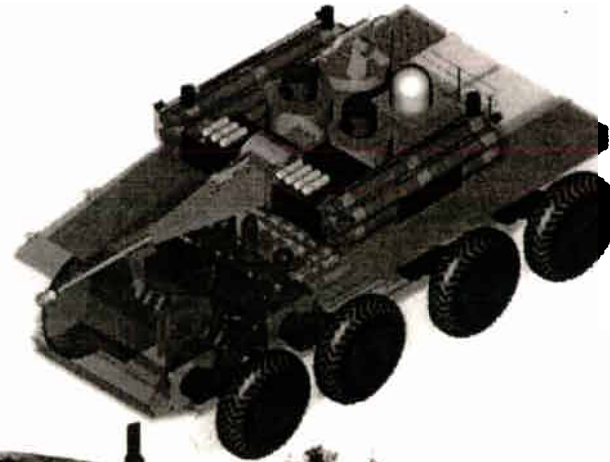
# Tank Automotive Research, Development, and Engineering Center



Report Documentation Page				Form Approved OMB No. 0704-0188	
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# TARDEC's Vision

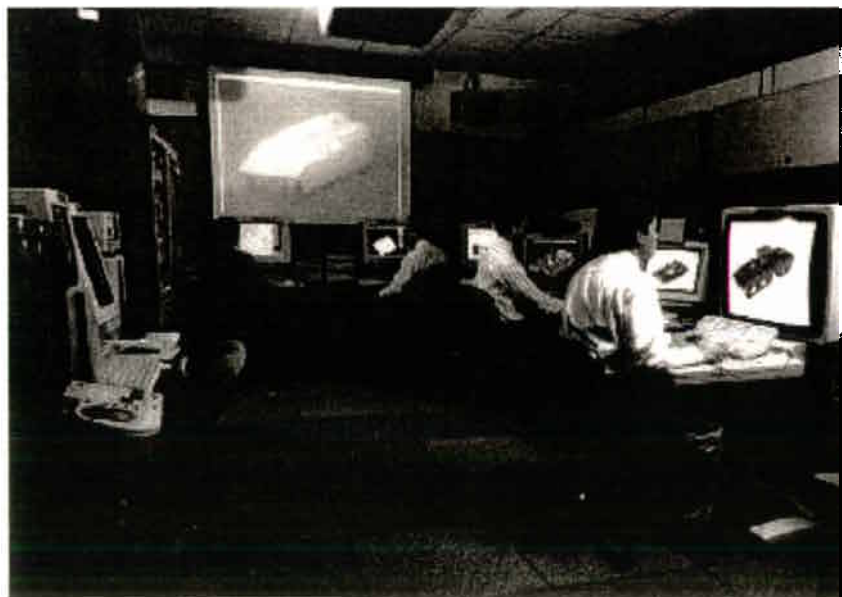
*Superior Technology for a Superior Army*



*Committed to Excellence*

# TARDEC's Mission

To research, develop, engineer, leverage, and provide advanced systems integration of technology into ground systems and support equipment throughout the life cycle.

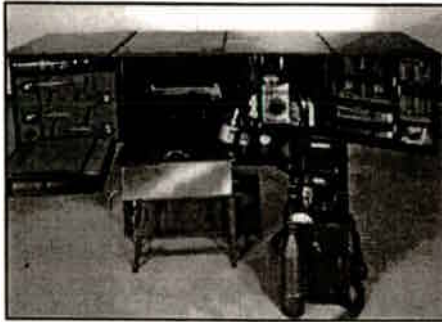


# TARDEC's Customers

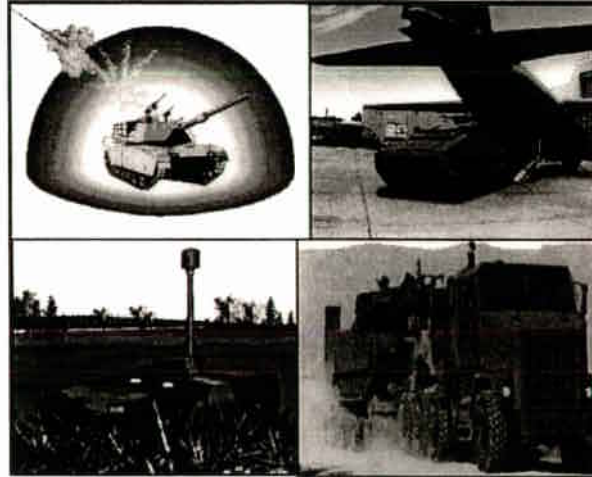
- US Soldiers, Sailors, Airmen, and Marines
- AMC's Laboratories, other RDECs, Depots and HQs
- Secretary of the Army - Research, Development and Acquisition
- Program Executive Officer for Ground Combat Support Systems
- Deputy for Systems Acquisition/Life Cycle Management
- Defense Advanced Research Project Agency
- Integrated Materials Management Center
- Defense Logistics Agency
- Other DoD agencies and foreign governments
- Training and Doctrine Command Schools and Battlelabs



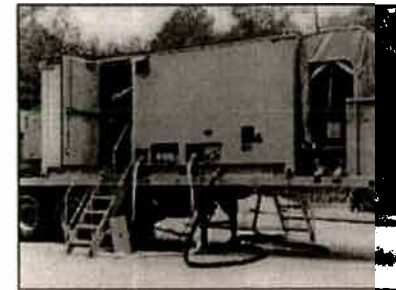
# TARDEC's Seven Principle Product Lines



*Fuel Storage, Distribution,  
and Quality Surveillance*



*Combat and Tactical  
Vehicles*



*Water Generation,  
Purification, Storage,  
Distribution, and  
Quality Surveillance*



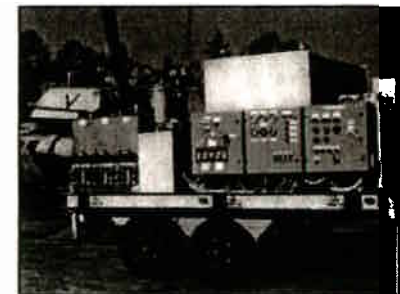
*Fuels and Lubricants*



*Military Bridging*



*Countermine  
Equipment*



*Logistics Equipment*

*Committed to Excellence*

# TARDEC's Principal Laboratories

**Simulation Lab**

**Concepts Lab**

**Visual Perception Lab**

**Fuels & Lubricants Lab**

**Water Purification Lab**

**Propulsion Lab**

**Vetronics Integration  
Simulation Lab**

**Laser Lab**

**Composite Application Lab**

**Robotics Lab**

**Virtual Prototyping Lab**

**Track & Suspension Lab**

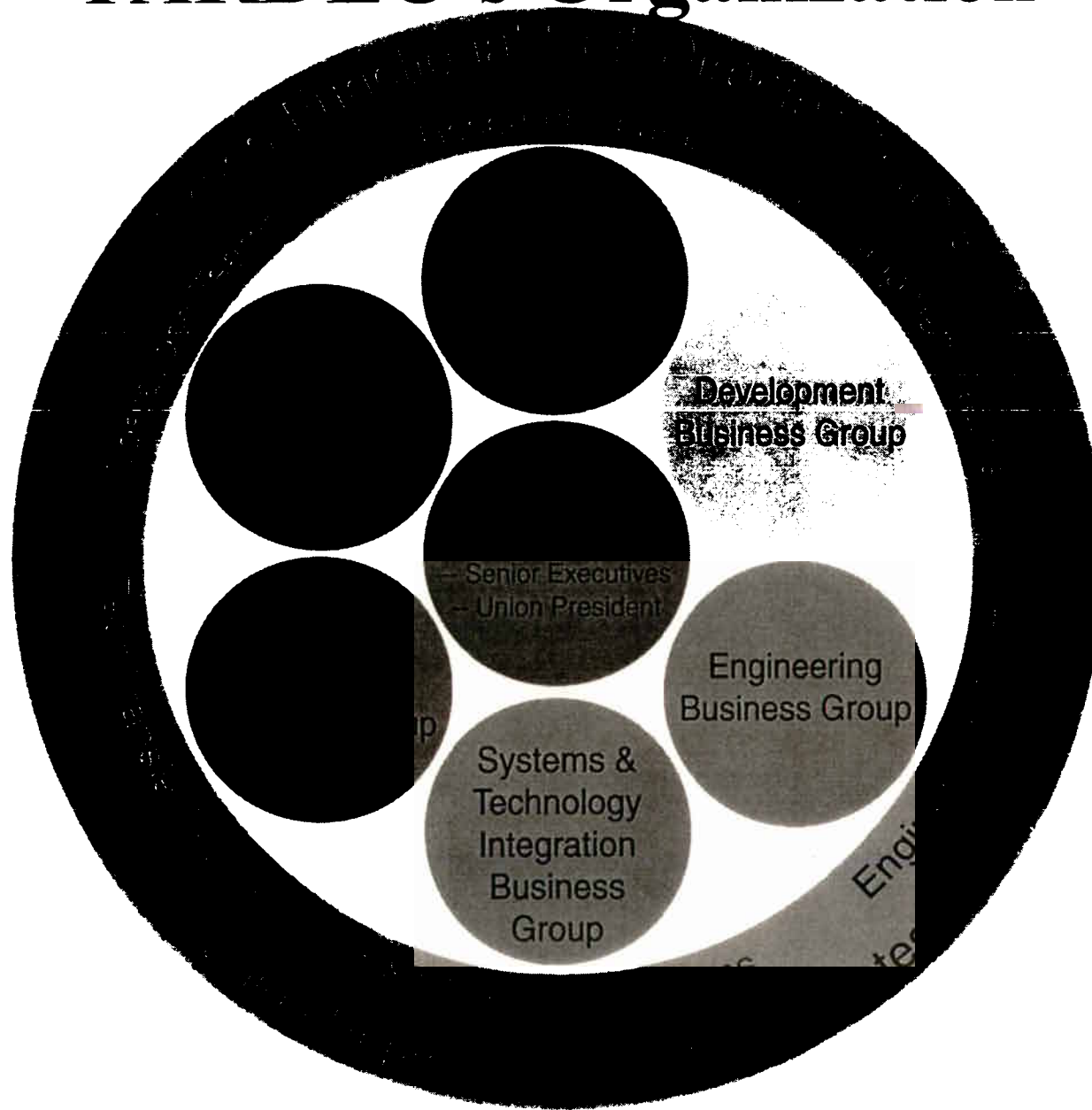
**Rapid Prototyping Lab**

**High Performance  
Computing Lab**

**Terrain Sensing Lab**

**50+ Special Facilities**

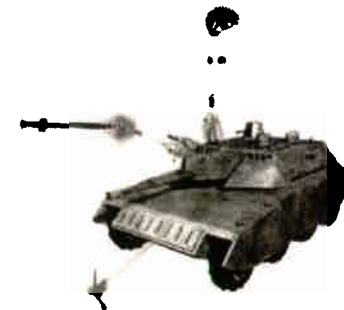
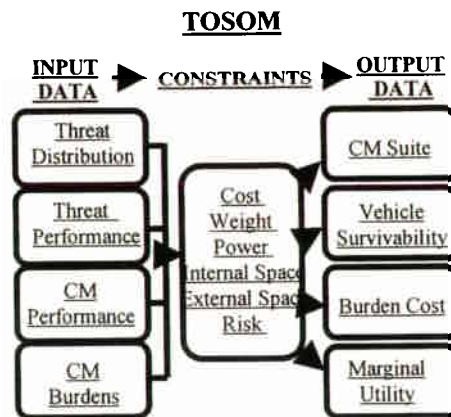
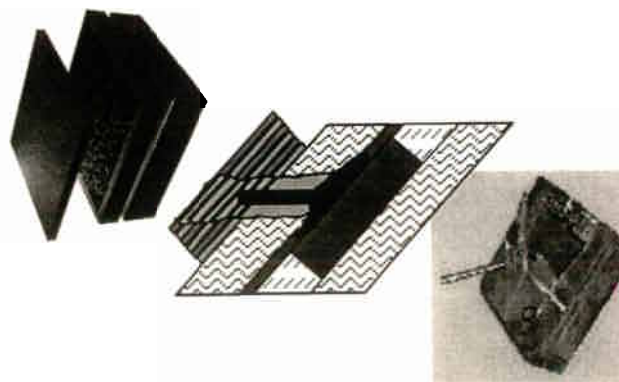
# TARDEC's Organization



*Committed to Excellence*

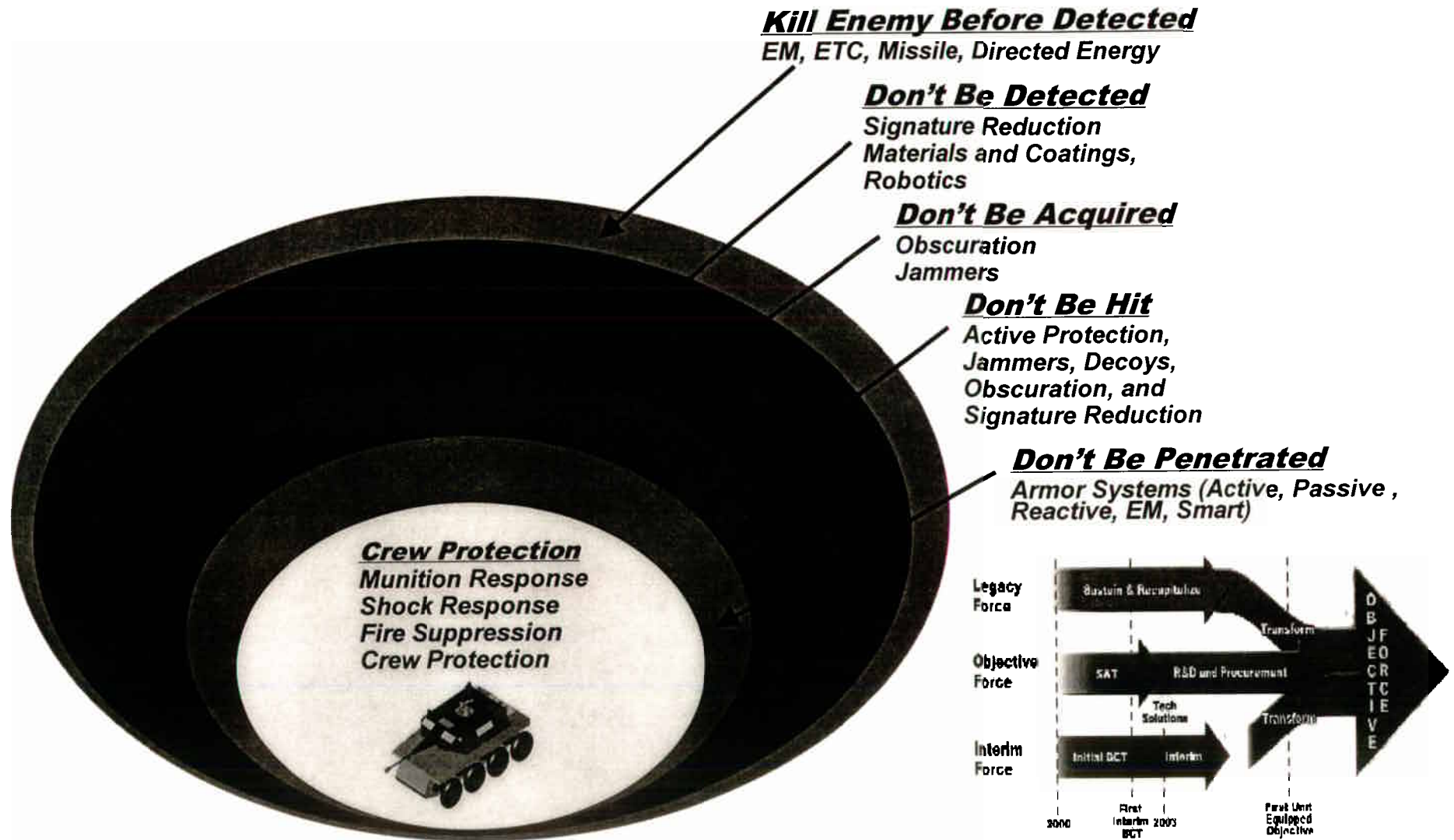


# SURVIVABILITY TECHNOLOGY AREA



***Fight Effectively - Bring the Crew Home Alive***

# Integrated Survivability



***Fight Effectively - Bring the Crew Home Alive***

# **SURVIVABILITY TECHNOLOGY AREA**

**ASSOCIATE DIRECTOR: DR. JACK PARKS**



- **Combat Vehicle Team/Survivability Technology Applications Team**

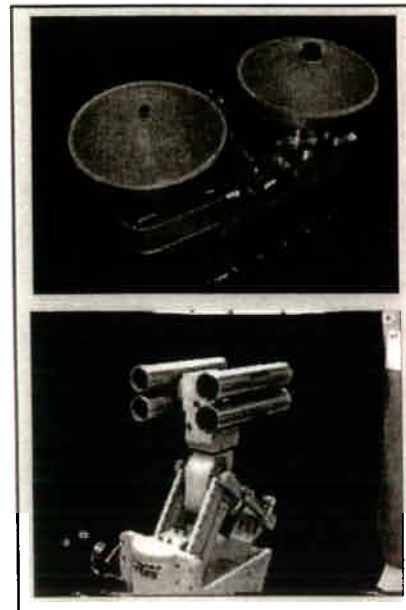
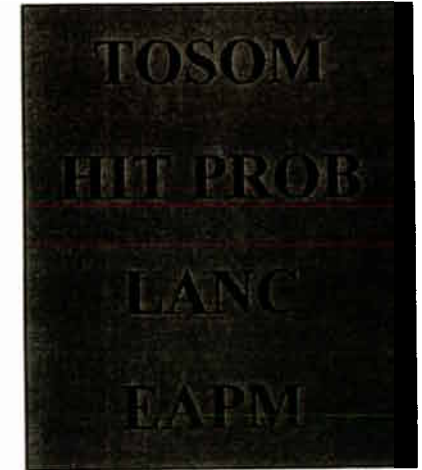
**Team Leaders:**

- ← **Mr. David Thomas/Mr. Steve Knott**
- **Advanced Signature Management**

- **Survivability Optimization Modeling Team**

**Team Leader: Mr. Daniel Hicks**

- **Survivability Model Development and Support**



- **Hit Avoidance Integration Team**

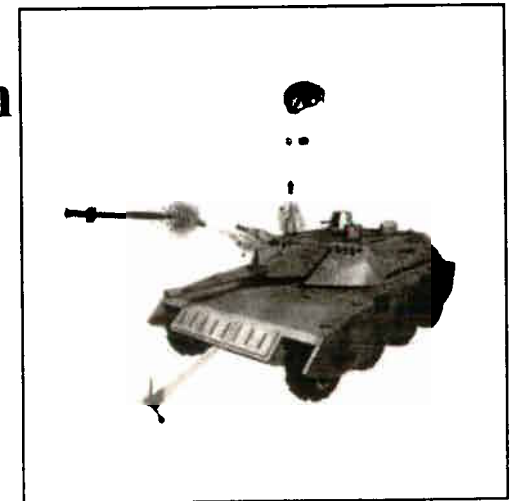
**Team Leader: Mr. James Soltesz**

- **Kinetic Energy Active Protection**

- **Technology Research Team**

**Team leader: Mr. Charles Acir**

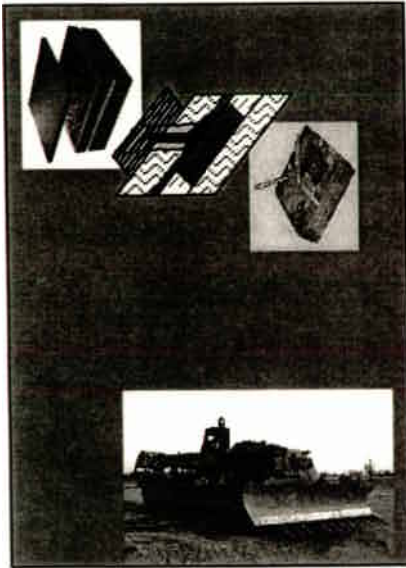
- ←
- **Chemical Energy Active Protection**
  - **EW Sensors and Countermeasures**





# **SURVIVABILITY TECHNOLOGY AREA**

**ASSOCIATE DIRECTOR: MR. STEVEN SCHEHR**



- **Emerging Technologies Team**

**Team Leader: Dr. Doug Templeton**

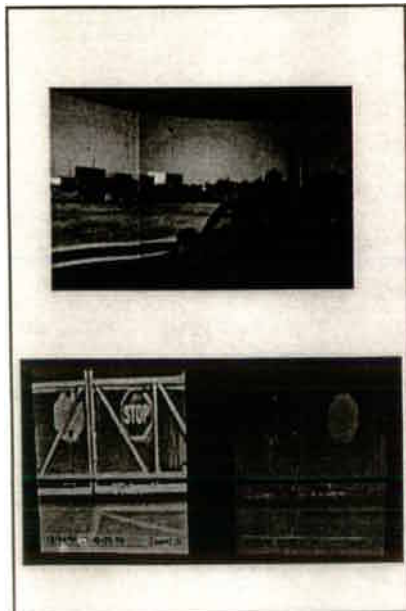
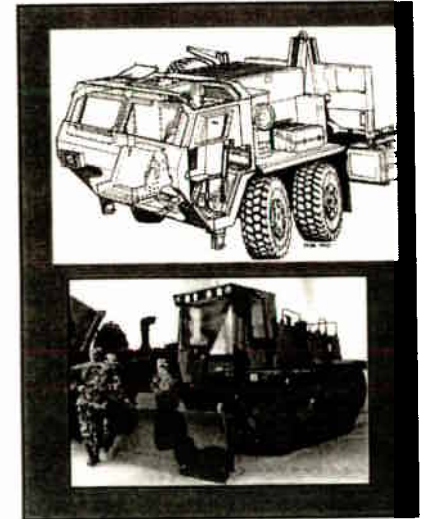
- Advanced Armors / Design Tools
- Laser Protection
- Vehicle Sensor Integration



- **Tactical Vehicle Team**

**Team Leader: Mr. Rene Gonzalez**

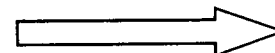
- Crew Protection  
(Mines/Bullets/Explosive Fragments)



- **Vehicle Research Team**

**Team Leader: Dr. Grant Gerhart**

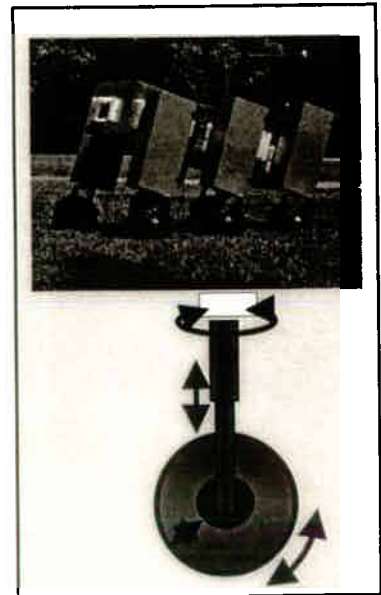
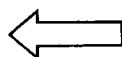
- Intelligent Mobility Robotics Lab



- **Visual Perception Laboratory Team**

**Team Leader: Dr. Thomas Meitzler**

- Signature Mgmt Effectiveness assessments
- Validate Target Detection Models
- Vehicle Sensor Fusion / Display Systems





# Summary

- TARDEC ensures that our soldiers have the best performing, most reliable, and easiest to maintain ground vehicles in the world
- Survivability Technology Area ensures that ground vehicles enable our soldiers to fight effectively and come home alive